PTA 3 Foundation of Physical Therapy II

Student Learning Objectives

As evidenced by successful completion of written and practical examinations, lab activities, assignments, research article reviews, and the role playing and analysis of clinical scenarios, the student will:

1.0 Demonstrate an understanding of normal gait and gait deviations.
   1.1. Identify the components of normal and abnormal gait.
   1.2. Differentiate the components of abnormal gait.
   1.3. Describe abnormal gait deviations via video presentations and role playing.
   1.4. Document gait deviations.
   1.5. Correlate gait deviations with muscular-skeletal structure and function.
   1.6. Correlate gait deviations with pathological conditions.

2.0 Implement ambulation training activities.
   2.1. Identify basic guarding techniques.
   2.2. Identify different weight bearing statuses.
   2.3. Identify ambulation devices and define their use in ambulation.
   2.4. Identify and interpret ambulation techniques using different devices on level and uneven surfaces (stairs, ramps, carpet, etc.).
   2.5. Identify specific crutch/cane gait patterns including: three point, two point, four point, swing to, and swing through.
   2.6. Explain body mechanics and moving and lifting techniques as they relate to patient ambulation activities.
   2.7. Discuss basic guarding techniques as they relate to proper body mechanics.
   2.8. Interpret levels of assistance as they relate to ambulation activities.
   2.9. Differentiate ambulation devices and their use in ambulation.
   2.10. Distinguish appropriate uses of crutch/cane gait patterns.
   2.11. Discuss different weight bearing statuses as they relate to different pathologies.
   2.12. Perform ambulation activities on level and uneven surfaces using: walkers, axillary crutches, platform crutches, forearm crutches, straight canes, quad canes and hemi canes using full, partial and non-weight bearing statuses.
   2.13. Implement specific crutch/cane gait patterns to pathological conditions.
   2.15. Properly measure walkers, crutches and canes.
   2.16. Instruct peers in gait with assistive devices.
2.17. Assess balance and equilibrium reactions in terms of appropriate ambulation training.
2.18. Determine the appropriate ambulation techniques and equipment given patient pathologies, architectural barriers and balance deficiencies.
2.19. Delineate the progression of levels of assistance, weight bearing statuses and type of assistive device.
2.20. Analyze gait deviations for patients using ambulation devices.
2.21. Determine the procedure to be used given patient evaluation, short term goals, long term goals and plan of care for bed mobility, transfers and ambulation activities and their relationship to different pathologies.

3.0 Implement wheelchair training activities.
3.1. Identify the parts of a standard wheelchair.
3.2. Identify indications and uses of wheelchairs.
3.3. Identify the uses and training methods for motorized wheelchairs.
3.4. Outline the parts of a standard wheelchair.
3.5. Explain the indications and uses of wheelchairs.
3.6. Explain the uses and training methods for motorized wheelchairs as they relate to different pathologies.
3.7. Perform sliding board, wheelchair to floor and floor to wheelchair transfers using sound principles of body mechanics.
3.8. Instruct peers in wheelchair transfers and wheelchair use.
3.9. Perform wheelchair to toilet transfers.

4.0 Implement bed mobility and transfer techniques with ambulation and wheelchair training.

5.0 Implement vital sign monitoring skills, bed mobility, draping, transfer, ambulation, wheelchair training with pathological conditions in different rehabilitation populations.
5.1 Perform skills appropriate to aging and geriatric patients.
5.2. Perform skills appropriate to acute, short term and long term care patients (considering short and long term goals).

6.0 Given patient scenarios, implement comprehensive physical therapy treatment.
6.1. Perform therapeutic techniques demonstrating an understanding of the role of the physical therapist assistant in rehabilitation.
6.2. Perform therapeutic techniques appropriately employing universal precautions and sound body mechanics.
6.3. Perform therapeutic techniques demonstrating an understanding of organizational structure, levels of authority, and fiscal considerations of the health care delivery system.
6.4. Implement sound rationale when performing ambulation and wheelchair training considering specific characteristics of pathological conditions.
6.5 Identify patient progress as it relates to the achievement of short term goals.
6.6. Teach the uses, applications and responses of ambulation and wheelchair training activities, and concepts effectively with emphasis on safety and rationale.
6.7. Demonstrate the adjunctive nature of ambulation and wheelchair training by integrating their use in complete treatment applications.

6.8. Implement therapeutic interventions within the plan of treatment considering knowledge of assessment and measurement, pathology, kinesiology, anatomy, vital signs, and functional activities.

6.9. Implement therapeutic interventions within the plan of treatment demonstrating consideration of time management, therapeutic sequence and procedure selection issues.

6.10. Implement physical therapy treatments for a variety of patient types including: orthopedic, neurological and general deconditioned patients in a variety of settings.

6.11. Demonstrate appropriate documentation of physical therapy treatments considering patient response, precautions, treatment parameters, long/short term goals, and effectiveness.

6.12. Perform physical therapy treatments considering influencing factors (psychosocial, cultural, economic, legal/ethical, rehab. settings etc.).

6.13. Assist in discharge planning and alternative levels of care decision making.

6.14. Recognize patient response(s) that require the attention of the supervising physical therapist.

6.15. Communicate to supervising physical therapist the patient response to ambulation and wheelchair training.

6.16. Deduce the effectiveness of ambulation and wheelchair training techniques considering pathological conditions, attainment of short term goals and the patient’s overall response.

6.17. Assess patient response to treatment and appropriately alter ambulation and wheelchair training techniques.

6.18. Verify the effectiveness of his/her teaching behavior by analyzing performance.

6.19. Delineate the beneficial and untoward effects of ambulation and wheelchair training techniques.

6.20. Analyze the relationship of gait deviations, ambulation and wheelchair training with vital signs, body mechanics, documentation, bed mobility/draping and transfer techniques, the principles of kinesiology, and pathology as they relate to the achievement of rehabilitation goals.

7.0 Demonstrate appropriate professional behavior.

7.1. Attend and be on time for class, lab, and scheduled appointments.

7.2. Be prepared for lab activities; attend to tasks assigned.

7.3. Accept constructive criticism and respond and/or follows through appropriately.

7.4. Express self in a clear and easily understood manner.

7.5. Maintain appropriate personal hygiene.

7.6. Treat others with positive regard, dignity and respect.

7.7. Analyze and examine professional literature considering: specific scientific methods, interpretation of results, and clinical significance in order to foster further personal investigation and clinical effectiveness.
7.8. Explain the importance of life long learning.
7.9. Describe how professional development can occur.